

10/23/02

US 5,920,272

09/899091

Welcome to Questel-Orbit

Query/Command : file pluspat

Selected file: PLUSPAT

Query/Command : us5920272/pn

\*\* SS 2: Results 1

Search statement            3

Query/Command : prt fu legalall max

1 / 1 PLUSPAT - QUESTEL-ORBIT -image

PN - US5920272 A 19990706 [US5920272]  
TI - (A) Record carrier containing a signal having a sequence of successive information signal portions  
PA - (A) PHILIPS CORP (US)  
IN - (A) SCHOUHAMER IMMINK KORNELIS A (NL)  
AP - US90027597 19970725 [1997US-0900275]  
PR - US90027597 19970725 [1997US-0900275]  
EP94200387 19940215[1994EP-0200387]  
US38553395 19950208 [1995US-0385533]  
IC - (A) H03M-007/00  
EC - G 11 B-020/14A2B  
H03M-005/14B  
PCI, - ORIGINAL (O) : 341059000; CROSS-REFERENCE (X) : 341095000  
DT - Basic  
CT - US4517552; US4520346; US4683572; US4833470; US4855742; US5048003;  
US5696505  
STG - (A) United States patent  
AB - A series of m-bit information words is converted to a modulated signal. For each information word from the series, an n-bit code word is delivered. The delivered code words are converted to the modulated signal. The code words are distributed over at least one group of a first type and at least one group of a second type. When a code word belonging to a group of the first type is delivered, its group establishes a coding state of a first type. When a code word belonging to a group of the second type is delivered, a coding state of a second type is established which is determined by the information word which is to be converted to the delivered code word. When one of the code words is assigned to the received information word, this code word is selected from a set of code words which depends on the coding state established. The sets of code words belonging to the coding states of the second type are disjunct. In this coding method, the number of unique bit combinations that may be established by the code words in the series are enlarged.

1 / 1 LGST - LEGSTAT

PN - US 5920272 [US5920272]  
AP - US 900275/97 19970725 [1997US-09002751]  
DT - US-P

10/23/02

US 5,920,272

09/899091

ACT - 19970725 US/AE-A  
APPLICATION DATA (PATENT)  
US 900275/97 19970725 [1997US-09002751]  
19990706 US/A  
PATENT  
UP - 1999-32

Query/Command : file inpadoc

Selected file: INPADOC

Search statement 2

Query/Command : fam us5920272/pn

1 Patent Groups

\*\* SS 2: Results 32

Search statement 3

Query/Command : famstate nonstop

1/32 INPADOC -INPADOC

PN - AT 173110 E 19981115 [ATE 173110]  
TI - VERFAHREN ZUR UMWANDLUNG VON M-BIT INFORMATIONS WORTEN IN  
EIN MODULIERTES SIGNAL, VERFAHREN ZUM HERSTELLEN EINES  
AUFZEICHUNGSTRAEGERS, KODIER-, DEKODIER-, AUFZEICHNUNGS- UND  
LESEVORRICHTUNG SOWIE AUFZEICHNUNGSTRAEGER  
IN - SCHOUHAMER IMMINK KORNELIS ANT [NL]  
PA - KONINKL PHILIPS ELECTRONICS NV [NL]  
AP - AT 95905746/95-EP 19950201 [1995EP-0905746]  
PR - EP 94200387/94-A 19940215 [1994EP-0200387]  
IC - G 11 B-020/00

1/2 LEGALI - LEGSTAT

PN - AT 173110 [ATE 173110]  
DT - AT-R  
ACTE - 19981115 AT/REF-P  
CORRESPONDS TO EP-PATENT  
(EP 745254 19981104 [EP-745254])  
19990615 AT/UEP [+]  
PUBLICATION OF TRANSLATION OF EUROPEEN PATENT SPECIFICATION  
UP - 1999-25

2 / 2 LEGALI - LEGSTAT

PN - EP 745254 [EP-745254]  
AP - EP 95905746/95 19950201 [1995EP-0905746]  
DT - EP-P  
ACTE - 19950201 EP/AE-A  
EP-APPLICATION

10/23/02

US 5,920,272

09/899091

EP 95905746/95 19950201 [1995EP-0905746]  
19961204 EP/AK-A1 [+]  
DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH  
REPORT:  
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

19961204 EP/AX [+]  
EXTENSION OF THE EUROPEAN PATENT TO  
SI PAYMENT 960916

19961204 EP/A 1 [+1]  
PUBLICATION OF APPLICATION WITH SEARCH REPORT

19961204 EP/17P [+1]  
REQUEST FOR EXAMINATION FILED  
960916

19970917 EP/17Q [+~  
FIRST EXAMINATION REPORT  
970805

19981104 EP/AK-B 1 [+1]  
DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT  
SPECIFICATION:  
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

19981104 EP/AX [+1]  
EXTENSION OF THE EUROPEAN PATENT TO  
SI PAYMENT 960916

19981104 EP/B 1 [+1]  
PATENT SPECIFICATION

19981104 EP/REF-R [+]  
IN AUSTRIA REGISTERED AS:  
(AT 173110 19981115 [ATE1731101])

19981113 EP/REG; CH/EP [+]  
CH: ENTRY IN THE NATIONAL PHASE  
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19981210 EP/REF-P  
CORRESPONDS TO:  
(DE 69505794 19981210 [DE695057941])

19990113 EP/REG; IE/FG4D  
IE: EUROPEAN PATENTS GRANTED DESIGNATING IRELAND  
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19990115 EP/ET [+1]  
FR: TRANSLATION FILED

19990121 EP/ITF [+1 IT: TRANSLATION FOR A EP PATENT FILED ING. C. GREGORI S.P.A.

19990401 EP/REG; ES/FG2A  
ES: DEFINITIVE PROTECTION  
212687773  
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19990430 EP/REG; PTISC4A [+~  
PT: TRANSLATION IS AVAILABLE

19990202 AVAILABILITY OF NATIONAL TRANSLATION  
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19990719 EP/REG; DK/T3 [+]  
DK: TRANSLATION OF EP PATENT  
<DK>

19991027 EP/26N [+1  
NO OPPOSITION FILED

20020101 EP/REG; GB/IF02 [+~  
GB: EUROPEAN PATENT IN FORCE AS OF 2002-01-01  
<GB>

UP - 2002-17

## 2 / 32 INPADOC - INPADOC

PN	-	AU 14240/95 A 1 19950904 [AU95142401]
TI	-	METHOD OF CONVERTING A SERIES OF M-BIT INFORMATION WORDS TO A MODULATED SIGNAL, METHOD OF PRODUCING A RECORD CARRIER, CODING DEVICE, DECODING DEVICE, RECORDING DEVICE, READING DEVICE, SIGNAL, AS WELL AS A RECORD CARRIER
IN	-	IMMINK KORNELIS ANTONIE SCHOUH
PA	-	PHILIPS ELECTRONICS NV
AP	-	AU 14240/95-A 19950201 [1995AU-0014240]
PR	-	EP 94200387/94-A 19940215 [1994EP-0200387] WO 9500070/95(IB)-W 19950201 [1995W0-IB000701]
IC	-	H03M-007/28

## 3/32 INPADOC - INPADOC

PN	-	AU 692822 B2 19980618 [AU-6928221]
TI	-	METHOD OF CONVERTING A SERIES OF M-BIT INFORMATION WORDS TO A MODULATED SIGNAL, METHOD OF PRODUCING A RECORD CARRIER, CODING DEVICE, DECODING DEVICE, RECORDING DEVICE, READING DEVICE, SIGNAL, AS WELL AS A RECORD CARRIER
IN	-	IMMINK KORNELIS ANTONIE SCHOUH
PA	-	PHILIPS ELECTRONICS NV

10/23/02

US 5,920,272

09/899091

AP - AU 14240/95-A 19950201 [1995AU-0014240]  
PR - EP 94200387/94-A 19940215 [1994EP-0200387]  
WO 9500070/95(IB)-W 19950201 [1995W0-113000701]  
IC - H03M-007/28

4 / 32 INPADOC - INPADOC

PN - BG 100774 A 19970430 [BG-100774]  
TI - METHOD OF CONVERTING A SERIES OF M-BIT INFORMATION WORDS TO A MODULATED SIGNAL, METHOD OF PRODUCING A RECORD CARRIER, CODING DEVICE, DECODING DEVICE, RECORDING DEVICE, READING DEVICE, SIGNAL, AS WELL AS A RECORD CARRIER  
IN - SCHOUHAMER IMMINK KORNELIS A [NL]  
PA - PHILIPS ELECTRONICS NV [NL]  
AP - BG 100774/96-A 19960809 [1996BG-0100774]  
PR - EP 94200387/94-A 19940215 [1994EP-0200387]  
WO 9500070/95(IB)-W 19950201 [1995W0-11300070]  
IC - GI 1 B-020/14; H03M-005/14; H03M-007/20

5/32 INPADOC - INPADOC

PN - BG 62106 B 1 19990226 [BG--62106]  
TI - METHOD OF CONVERTING A SERIES OF M-BIT INFORMATION WORDS TO A MODULATED SIGNAL, METHOD OF PRODUCING A RECORD CARRIER, CODING DEVICE, DECODING DEVICE, RECORDING DEVICE, READING DEVICE, SIGNAL, AS WELL AS A RECORD CARRIER  
IN - SCHOUHAMER IMMINK KORNELIS A [NL]  
PA - PHILIPS ELECTRONICS NV [NL]  
AP - BG 100774/96-A 19960809 [1996BG-0100774]  
PR - EP 94200387/94-A 19940215 [1994EP-0200387]  
WO 9500070/95(IB)-W 19950201 [1995W0-11300070]  
IC - G I 1 B-020/00

6 / 32 INPADOC - INPADOC

PN - BR 9506787 A 19970916 [BR9506787]  
TI - PROCESSOS DE CONVERTER UMA SERIE DE PALAVRAS DE INFORMACAO DE M-BIT EM UM SINAL MODULADO E DE PRODUZIR UM SUPORTE DE GRAVACAO DISPOSITIVOS CODIFICADOR DECODIFICADOR GRAVADOR E DE LEITURA SINAL E SUPORTE DE GRAVACAO  
IN - IMMINK KORNELIS ANTONIE SCHOUHAMER  
PA - PHILIPS ELECTRONICS NV [NL]  
AP - BR 9506787/95-A 19950201 [1995BR-0006787]  
PR - EP 94200387/94-A 19940215 [1994EP-0200387]  
WO 9500070/95(IB)-W 19950201 [1995W0-11300070]  
IC - GI113-020/14;H03M-005/14;H03M-007/20

1/1 LEGALI - LEGSTAT

PN - BR 9506787 [BR9506787]  
DT - BR-P  
ACTS - 19990908 BR/TC  
CHANGE OF PROPRIETOR'S NAME  
20000912 BR/FB36 [-]  
GRANT PROCEDURE SUSPENDED ART. 36 OF LPI

20010515 BR/FF [+]  
 INTENTION TO GRANT  
 20010807 BR/FG9A [+]  
 PATENT OR CERTIFICATE OF ADDITION GRANTED

UP - 2001-36

**7 / 32 INPADOC- INPADOC**

PN - CA 2183355 AA 19950824 [CA2183355]  
 TI - METHOD OF CONVERTING A SERIES OF M-BIT INFORMATION WORDS TO A MODULATED SIGNAL, METHOD OF PRODUCING A RECORD CARRIER, CODING DEVICE, DECODING DEVICE, RECORDING DEVICE, READING DEVICE, SIGNAL, AS WELL AS A RECORD CARRIER  
 LA - ENG  
 IN - SCHOUHAMER IMMINK KORNELIS ANT [NL]  
 PA - PHILIPS ELECTRONICS NV [NL]  
 AP - CA 2183355/95-A 19950201 [1995CA-2183355]  
 PR - EP 94200387/94-A 19940215 [1994EP-0200387]

**1 / 1 LEGALI - LEGSTAT**

PN - CA 2183355 [CA2183355]  
 DT - CA-P  
 ACTS - 19960814 CA/REFW-P  
 CORRESPONDS TO PCT APPLICATION  
 <WO 9522802> [W09522802]  
 UP - 1998-31

**8 / 32 INPADOC - INPADOC**

PN - CZ 9602389 A3 20020612 [CZ9602389]  
 TI - RECORDING MEDIUM, PROCESS FOR PRODUCING SUCH RECORDING MEDIUM WITH RECORD, ENCODING DEVICE, DECODING METHOD AND DECODING APPARATUS  
 IN - SCHOUHAMER IMMINK KORNELIUS A [NL]  
 PA - KONINKL PHILIPS ELECTRONICS NV [NL]  
 AP - CZ 2389/96-A 19950201 [1996CZ-0002389]  
 PR - EP 94200387/94-A 19940215 [1994EP-0200387]  
 IC - G 11 B-020/00

**1 / 1 LEGALI - LEGSTAT**

PN - CZ 9602389 [CZ9602389]  
 DT - CZ-A  
 ACTE - 20000630 CZ/PD00  
 Pending as of 2000-06-30  
 20020612 CZ/13139A  
 Published application  
 UP - 2002-27

**9 / 32 INPADOC - INPADOC**

PN - DE 69505794 CO 19981210 [DE69505794]  
 TI - VERFAHREN ZUR UMWANDLUNG VON M-BIT INFORMATIONS WORTEN IN EIN MODULIERTES SIGNAL, VERFAHREN ZUM HERSTELLEN FINES AUFZEICHUNGSTRAEGERS, KODIER-, DEKODIER-, AUFZEICHNUNGS- UND

LESEVORRICHTUNG SOWIE AUFZEICHNUNGSTRAEGER  
 IN - SCHOUHAMER IMMINK KORNELIS [NL]  
 PA - KONINKL PHILIPS ELECTRONICS NV [NL]  
 AP - DE 69505794/95-A 19950201 [1995DE-6005794]  
 PR - EP 94200387/94-A 19940215 [1994EP-0200387]  
 WO 9500070/95(IB)-W 19950201 [1995WO-IB00070]  
 IC - G 11 B-020/00

1 / 2 LEGALI - LEGSTAT  
 PN - DE 69505794 [DE69505794]  
 DT - DE-P  
 ACTE - 19981210 DE/REF-P  
 CORRESPONDS TO  
 (EP 745254 19981210 [EP-745254])  
 19990602 DE/8373  
 TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS  
 RECEIVED AND HAS BEEN PUBLISHED  
 19991202 DE/8364 [+1]  
 NOOPPOSITIONDURINGTERMOFOPPPOSITION  
 UP - 1999-48

2 / 2 LEGALI - LEGSTAT

PN - EP 745254 [EP-745254]  
 AP - EP 95905746/95 19950201 [1995EP-09057461]  
 DT - EP-P  
 ACTE - 19950201 EP/AE-A  
 EP-APPLICATION  
 EP 95905746/95 19950201 [1995EP-09057461]  
 19961204 EP/AK-A1 [+1]  
 DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH  
 REPORT:  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE  
 19961204 EP/AX [+1]  
 EXTENSION OF THE EUROPEAN PATENT TO  
 SI PAYMENT 960916  
 19961204 EP/A1 [+1]  
 PUBLICATION OF APPLICATION WITH SEARCH REPORT  
 19961204 EP/17P [+]  
 REQUEST FOR EXAMINATION FILED  
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 19970917 EP/17Q [+1]  
 FIRST EXAMINATION REPORT  
 970805  
 19981104 EP/AK-BI  
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 DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT  
 SPECIFICATION:  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE  
 19981104 EP/AX [+1]  
 EXTENSION OF THE EUROPEAN PATENT TO

10/23/02

US 5,920,272

09/899091

SI PAYMENT 960916

19981104 EP/B I [+]  
PATENT SPECIFICATION

19981104 EP/REF-R [+1]  
IN AUSTRIA REGISTERED AS:  
(AT 173110 19981115 [ATE1731101])

19981113 EP/REG; CH/EP [+]  
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19981210 EP/REF-P  
CORRESPONDS TO:  
(DE 69505794 19981210 [DE69505794])

19990113 EP/REG; IE/FG4D  
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19990115 EP/ET [+~  
FR: TRANSLATION FILED

19990121 EP/ITF [+1 IT: TRANSLATION FOR A EP PATENT FILED ING. C. GREGORJ  
S.P.A.

19990401 EP/REG; ES/FG2A  
ES: DEFINITIVE PROTECTION  
212687773  
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19990430 EP/REG; PT/SC4A [+]  
PT: TRANSLATION IS AVAILABLE  
19990202 AVAILABILITY OF NATIONAL TRANSLATION  
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19990719 EP/REG; DK/T3 [+]  
DK: TRANSLATION OF EP PATENT  
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19991027 EP/26N [+]  
NO OPPOSITION FILED

20020101 EP/REG; GB/IF02 [+]  
GB: EUROPEAN PATENT IN FORCE AS OF 2002-01-01  
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UP - 2002-17

## 10/32 INPADOC- INPADOC

PN - DE 69505794 T2 19990602 [DE69505794]  
 TI - VERFAHREN ZUR UMWANDLUNG VON M-BIT INFORMATIONS WORTEN IN  
       LIN MODULIERTES SIGNAL, VERFAHREN ZUM HERSTELLEN EINES  
       AUFZEICHUNGSTRAEGERS, KODIER-, DEKODIER-, AUFZEICHNUNGS- UND  
       LESEVORRICHTUNG SOWIE AUFZEICHNUNGSTRAEGER  
 IN - SCHOUHAMER IMMINK KORNELIS [NL]  
 PA - KONINKL PHILIPS ELECTRONICS NV [NL]  
 AP - DE 69505794/95-A 19950201 [1995DE-6005794]  
 PR - EP 94200387/94-A 19940215 [1994EP-0200387]  
       WO 9500070/95(IB)-W 19950201 [1995W0-11300070]  
 IC - G 11 B-020/00

## 1/2 LEGALI - LEGSTAT

PN - DE 69505794 [DE69505794]  
 DT - DE-P  
 ACTE - 19981210 DE/REF-P  
       CORRESPONDS TO  
       (EP 745254 19981210 [EP-745254])  
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       TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS  
       RECEIVED AND HAS BEEN PUBLISHED  
       19991202 DE/8364 [+]  
       NOOPPOSITIONDURINGTERMOFOPOSITION  
 UP - 1999-48

## 2/2 LEGALI- LEGSTAT

PN - EP 745254 [EP-745254]  
 AP - EP 95905746/95 19950201 [1995EP-0905746]  
 DT - EP-P  
 ACTE - 19950201 EP/AE-A  
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       EP 95905746/95 19950201 [1995EP-0905746]  
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       DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH  
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       AT BE CH DE DK ES FR GB GR IE IT LI LU NIC NL PT SE  
       19961204 EP/AX [+]  
       EXTENSION OF THE EUROPEAN PATENT TO  
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       REQUEST FOR EXAMINATION FILED  
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       FIRST EXAMINATION REPORT

970805

19981104 EP/AK-B 1 [+~  
DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT  
SPECIFICATION:  
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

19981104 EP/AX [+]  
EXTENSION OF THE EUROPEAN PATENT TO  
SI PAYMENT 960916

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PATENT SPECIFICATION

19981104 EP/REF-R [+]  
IN AUSTRIA REGISTERED AS:  
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19990121 EP/ITF [+1] IT: TRANSLATION FOR A EP PATENT FILED ING. C. GREGORJ  
S.P.A.

19990401 EP/REG; ES/FG2A  
ES: DEFINITIVE PROTECTION  
212687773  
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19990430 EP/REG; PT/SC4A [+~  
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19990719 EP/REG; DK/T3 [+~  
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## NO OPPOSITION FILED

20020101 EP/REG; GB/IF02 [+]  
 GB: EUROPEAN PATENT IN FORCE AS OF 2002-01-01  
 <GB>

UP - 2002-17

## 11/32 INPADOC - INPADOC

PN - DK 745254 T3 19990719 [DK-745254]  
 TI - FREMGANGSMAADE TIL AT OMDANNE EN RAEKKE INFORMATIONSORD  
 PAA M BITS TIL ET MODULERET SIGNAL. FREMGANGSMAADE TIL AT  
 FREMBRINGE EN  
 IN - SCHOUHAMER IMMINK KORNELIS ANT [NL]  
 PA - KONINKL PHILIPS ELECTRONICS NV [NL]  
 AP - DK 95905746/95-A 19950201 [1995DK-0905746]  
 PR - EP 94200387/94-A 19940215 [1994EP-0200387]  
 WO 9500070/95(IB)-W 19950201 [1995W0-11300070]  
 IC - G I I B-020/00

## 12 / 32 INPADOC - INPADOC

PN - EP 745254 A 1 19961204 [EP-745254]  
 TI - METHOD OF CONVERTING A SERIES OF M-BIT INFORMATION WORDS TO A  
 MODULATED SIGNAL, METHOD OF PRODUCING A RECORD CARRIER,  
 CODING DEVICE, DECODING DEVICE, RECORDING DEVICE. READING  
 DEVICE, SIGNAL, AS WELL AS A RECORD CARRIER  
 LA - ENG  
 IN - SCHOUHAMER IMMINK KORNELIS ANT [NL]  
 PA - PHILIPS ELECTRONICS NV [NL]; PHILIPS NORDEN AB [SE]  
 AP - EP 95905746/95-A 19950201 [1995EP-0905746]  
 PR - EP 95905746/95-A 19950201 [1995EP-0905746]  
 EP 94200387/94-A 19940215 [1994EP-0200387]  
 WO 9500070/95(IB)-W 19950201 [1995W0-11300070]  
 IC - G I I B-020/00  
 DS - AT\* BE\* CH\* DE\* DK\* ES\* FR\* GB\* GR\* IE\* IT\* LI\* LU\* MC\* NL\* PT\* SE\*

## 1/3 LEGALI - LEGSTAT

PN - DE 69505794 [DE69505794]  
 DT - DE-P  
 ACTE - 19981210 DE/REF-P  
 CORRESPONDS TO  
 (EP 745254 19981210 [EP-745254])  
 19990602 DE/8373  
 TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS  
 RECEIVED AND HAS BEEN PUBLISHED  
 19991202 DE/8364 [+1]  
 NO OPPOSITION DURING TERM OF OPPPOSITION

UP - 1999-48

## 2 / 3 LEGALI -LEGSTAT

10/23/02

US 5,920,272

09/899091

PN - AT 173110 [ATE 1731101]  
DT - AT-R  
ACTE - 19981115 AT/REF-P  
CORRESPONDS TO EP-PATENT  
(EP 745254 19981104 [EP-745254])  
19990615 AT/UEP [+1]  
PUBLICATION OF TRANSLATION OF EUROPEEN PATENT SPECIFICATION  
UP - 1999-25

3 / 3 LEGALI - LEGSTAT

PN - EP 745254 [EP-745254]  
AP - EP 95905746/95 19950201 [1995EP-0905746]  
DT - EP-P  
ACTS - 19950201 EP/AE-A  
EP-APPLICATION  
EP 95905746/95 19950201 [1995EP-0905746]  
19961204 EP/AK-A 1 [+1]  
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AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE  
19961204 EP/AX [+]  
EXTENSION OF THE EUROPEAN PATENT TO  
SI PAYMENT 960916  
19961204 EP/A1 [+]  
PUBLICATION OF APPLICATION WITH SEARCH REPORT  
19961204 EP/ 17P [+1]  
REQUEST FOR EXAMINATION FILED

960916

19970917 EP/17Q [+1]  
FIRST EXAMINATION REPORT  
970805

19981104 EP/AK-B 1 [+1]  
DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION:  
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

19981104 EP/AX [+]  
EXTENSION OF THE EUROPEAN PATENT TO  
SI PAYMENT 960916

19981104 EP/B 1 [+]  
PATENT SPECIFICATION

19981104 EP/REF-R [+1]  
IN AUSTRIA REGISTERED AS:  
(AT 173110 19981115 [ATE1731101])

10/23/02

US 5,920,272

09/899091

19981113 EP/REG; CH/EP [+]  
CH: ENTRY IN THE NATIONAL PHASE  
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19981210 EP/REF-P  
CORRESPONDS TO:  
(DE 69505794 19981210 [DE695057941])

19990113 EP/REG; IE/FG4D  
IE: EUROPEAN PATENTS GRANTED DESIGNATING IRELAND  
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19990115 EP/ET [+]1  
FR: TRANSLATION FILED

19990121 EP/ITF [+] IT: TRANSLATION FOR A EP PATENT FILED ING. C. GREGORJ S.P.A.

19990401 EP/REG; ES/FG2A  
ES: DEFINITIVE PROTECTION  
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19990430 EP/REG; PT/SC4A [+~  
PT: TRANSLATION IS AVAILABLE  
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19990719 EP/REG; DK/T3 [+]  
DK: TRANSLATION OF EP PATENT  
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UP - 2002-17

I3 / 32 INPADOC - INPADOC

PN - EP 745254 B 1 19981104 [EP-745254]  
TI - METHOD OF CONVERTING A SERIES OF M-BIT INFORMATION WORDS TO A MODULATED SIGNAL, METHOD OF PRODUCING A RECORD CARRIER, CODING DEVICE, DECODING DEVICE, RECORDING DEVICE, READING DEVICE, SIGNAL, AS WELL AS A RECORD CARRIER  
LA - ENG  
IN - SCHOUHAMER IMMINK KORNELIS ANT [NL]  
PA - KONINKL PHILIPS ELECTRONICS N [NL]; PHILIPS NORDEN AB [SE]

10/23/02

US 5,920,272

09/899091

AP - EP 95905746/95-A 19950201 [1995EP-0905746]  
PR - EP 95905746/95-A 19950201 [1995EP-0905746]  
EP 94200387/94-A 19940215 [1994EP-0200387]  
WO 9500070/95(IB)-W 19950201 [1995WO-IB00070]  
IC - G 11 B-020/00  
DS - AT\* BE\* CH\* DE\* DK\* ES\* FR\* GB\* GR\* IE\* IT\* LI\* LU\* MC\* NL\* PT\* SE\*

1/3 LEGALI - LEGSTAT

PN - DE 69505794 [DE69505794]  
DT - DE-P  
ACTS - 19981210 DE/REF-P  
CORRESPONDS TO  
(EP 745254 19981210 [EP-745254])  
19990602 DE/8373  
TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS  
RECEIVED AND HAS BEEN PUBLISHED  
19991202 DE/8364 [+]  
NOOPPOSITIONDURINGTERMOFOPOSITION  
UP - 1999-48

2 / 3 LEGALI - LEGSTAT

PN - AT 173110 [ATE 173110]  
DT - AT-R  
ACTE - 19981115 AT/REF-P  
CORRESPONDS TO EP-PATENT  
(EP 745254 19981104 [EP-745254])  
19990615 AT/UEP [+]  
PUBLICATION OF TRANSLATION OF EUROPEEN PATENT SPECIFICATION  
UP - 1999-25

3 / 3 LEGALI - LEGSTAT

PN - EP 745254 [EP-745254]  
AP - EP 95905746/95 19950201 [1995EP-0905746]  
DT - EP-P  
ACTE - 19950201 EP/AE-A  
EP-APPLICATION  
EP 95905746/95 19950201 [1995EP-0905746]  
19961204 EP/AK-A1 [+]  
DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH  
REPORT:  
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE  
19961204 EP/AX [+]  
EXTENSION OF THE EUROPEAN PATENT TO  
SI PAYMENT 960916  
19961204 EP/AI [+]  
PUBLICATION OF APPLICATION WITH SEARCH REPORT  
19961204 EP/17P [+]  
REQUEST FOR EXAMINATION FILED  
960916

19970917 EP/17Q [+]

FIRST EXAMINATION REPORT

970805

19981104 EP/AK-B 1 [+]

DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT  
SPECIFICATION:

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

19981104 EP/AX [+]

EXTENSION OF THE EUROPEAN PATENT TO

SI PAYMENT 960916

19981104 EP/B 1 [+]

PATENT SPECIFICATION

19981104 EP/REF-R [+]

IN AUSTRIA REGISTERED AS:

(AT 173110 19981115 [ATE173110])

19981113 EP/REG; CH/EP [+]

CH: ENTRY IN THE NATIONAL PHASE

<CH>

19981210 EP/REF-P

CORRESPONDS TO:

(DE 69505794 19981210 [DE69505794])

19990113 EP/REG; IE/FG4D

IE: EUROPEAN PATENTS GRANTED DESIGNATING IRELAND

<IE>

19990115 EP/ET [+]

FR: TRANSLATION FILED

19990121 EP/ITF [+]  
IT: TRANSLATION FOR A EP PATENT FILED ING. C. GREGORI  
S.P.A.

19990401 EP/REG; ES/FG2A

ES: DEFINITIVE PROTECTION

212687773

<ES>

19990430 EP/REG; PT/SC4A [+]

PT: TRANSLATION IS AVAILABLE

19990202 AVAILABILITY OF NATIONAL TRANSLATION

<PT>

19990719 EP/REG; DK/T3 [+~

DK: TRANSLATION OF EP PATENT

<DK>

19991027 EP/26N [+]

NO OPPOSITION FILED

20020101 EP/REG; GB/IF02 [+~  
 GB: EUROPEAN PATENT IN FORCE AS OF 2002-01-01  
 <GB>

UP - 2002-17

14/32 INPADOC - INPADOC

PN - ES 2126877 T3 19990401 [ES2126877]  
 TI - METODO DE CONVERSION DE UNA SERIE DE PALABRAS DE INFORMACION  
 EN UNA SENAL MODULADA, METODO DE PRODUCCION DE UN SOPORTE DE  
 GRABACION, DISPOSITIVO DE CODIFICACION, DISPOSITIVO DE  
 DECODIFICADO, DISPOSITIVO DE GRABACION, DISPOSITIVO DE LECTURA,  
 ASI COMO UN SOPORTE DE GRABACION.  
 IN - SCHOUHAMER IMMINK KORNELIS ANT [NL]  
 PA - KONINKL PHILIPS ELECTRONICS NV  
 AP - ES 95905746/95-EP 19950201 [1995EP-0905746]  
 PR - EP 94200387/94-A 19940215 [1994EP-02003871]  
 IC - G11B-020/00

1/1 LEGALI - LEGSTAT

PN - ES 2126877 [ES2126877]  
 DT - ES-P  
 ACTE - 19990401 ES/FG2A  
 DEFINITIVE PROTECTION  
 745254  
 UP - 1999-14

15/32 INPADOC - INPADOC

PN - FI 963151 AO 19960812 [F19603151]  
 TI - FOERFARANDE FOER OMVANDLING AV EN SERIE AV M-BIT  
 INFORMATIONSORD TILL EN MODULERAD SIGNAL, FOERFARANDE FOER  
 PRODUCERING AV EN INSPELNINGSBAERARE, KODNINGSANORDNING,  
 AVKODNINGSANORDNING, INSPELNINGSANORDNING, SIGNAL SAMT EN  
 INSPELNINGSBAERARE  
 IN - IMMINK KORNELIS ANTONIE SCHOUH [NL]  
 PA - PHILIPS ELECTRONICS NV [NL]  
 AP - FI 963151 /96-A 19960812 [ 1996FI-0003151 1  
 PR - EP 94200387/94-A 19940215 [1994EP-0200387]  
 WO 9500070/95(1B)-W 19950201 [1995W0-113000701]  
 IC - H03M-000/00

1 / 1 LEGALI- LEGSTAT

PN - FI 963151 [F19603151]  
 DT - FI-A  
 ACTE - 19950201 FI/AE-A  
 New application filed  
 <FI95963151 19950201>  
 19980727 FI/HC  
 Name/ Company changed in application  
 Koninklijke Philips Electronics N.V.

UP - 1999-42

I6 / 32 INPADOC - INPADOC

PN - FI 963151 A 19961014 [F19603151 ]  
 TI - FOERFARANDE FOER OMVANDLING AV EN SERIE AV M-BIT  
     INFORMATIONSORD TILL EN MODULERAD SIGNAL, FOERFARANDE FOER  
     PRODUCERING AV EN INSPELNINGSBAERARE, KODNINGSANORDNING,  
     AVKODNINGSANORDNING, INSPELNINGSANORDNING, SIGNAL SAMT EN  
     INSPELNINGSBAERARE  
 IN - IMMINK KORNELIS ANTONIE SCHOUH [NL]  
 PA - PHILIPS ELECTRONICS NV [NL]  
 AP - FI 963151 /96-A 19960812 [ 1996FI-0003151 ]  
 PR - EP 94200387/94-A 19940215 [1994EP-0200387]  
       WO 9500070/95(IB)-W 19950201 [1995W0-113000701]  
 IC - H03M-000/00

I/1 LEGALI -LEGSTAT

PN - FI 963151 [FI9603151]  
 DT - FI-A  
 ACTE - 19950201 FI/AE-A  
       New application filed  
       <FI95963151 19950201>  
       19980727 FI/HC  
       Name/ Company changed in application  
       Koninklijke Philips Electronics N.V.

UP - 1999-42

I7 / 32 INPADOC - INPADOC

PN - HK 1012767 AI 20000331 [HK1012767]  
 TI - METHOD OF CONVERTING A SERIES OF M-BIT INFORMATION WORDS TO A  
       MODULATED SIGNAL METHOD OF PRODUCING A RECORD CARRIER  
       CODING DEVICE DECODING DEVICE RECORDING DEVICE READING DEVICE  
       SIGNAL AS WELL AS A RECORD CARRIER  
 IN - IMMINK KORNELIS ANTONIE SCHOUH  
 PA - KONINKL PHILIPS ELECTRONICS NV [NL]  
 AP - HK 98114079/98-A 19981219 [1998HK-0114079]  
 PR - EP 94200387/94-A 19940215 [1994EP-0200387]  
       WO 9500070/95(IB)-W 19950201 [1995W0-11300070]  
 IC - G 11 B-000/00

I8 / 32 INPADOC - INPADOC

PN - HU 9602247 AO 19961028 [HU9602247]  
 TI - METHOD OF CONVERTING A SERIES OF M-BIT INFORMATION WORDS TO A  
       MODULATED SIGNAL, METHOD OF PRODUCING A RECORD CARRIER,  
       CODING DEVICE, DECODING DEVICE, RECORDING DEVICE, READING  
       DEVICE, SIGNAL, AS WELL AS A RECORD CARRIER  
 IN - SCHOUHAMER IMMINK KORNELIS ANT [NL]  
 PA - PHILIPS ELECTRONICS NV [NL]  
 AP - HU 9602247/96-A 19950201 [1996HU-0002247]  
 PR - EP 94200387/94-A 19940215 [1994EP-0200387]

## 19 / 32 INPADOC - INPADOC

PN - HU 74636 A2 19970128 [HUT074636]  
 TI - METHOD OF CONVERTING A SERIES OF M-BIT INFORMATION WORDS TO A  
       MODULATED SIGNAL, METHOD OF PRODUCING A RECORD CARRIER,  
       CODING DEVICE, DECODING DEVICE, RECORDING DEVICE, READING  
       DEVICE, SIGNAL, AS WELL AS A RECORD CARRIER  
 IN - SCHOUHAMER IMMINK KORNELIS ANT [NL]  
 PA - PHILIPS ELECTRONICS NV [NL]  
 AP - HU 9602247/96-A 19950201 [1996HU-0002247]  
 PR - EP 94200387/94-A 19940215 [1994EP-0200387]  
 IC - G11B-020/14; H03M-007/00

## 20 / 32 INPADOC - INPADOC

PN - JP 9512392 T2 19971209 [JP09512392]  
 AP - JP 521693/95-A 19950201 [1995JP-0521693]  
 PR - EP 94200387/94-A 19940215 [1994EP-0200387]  
       WO 9500070/95(IB)-W 19950201 [1995WO-11300070]  
 IC - H03M-007/14; G11B-020/14

## 21/32 INPADOC - INPADOC

PN - NO 963388 AO 19960814 [N09603388]  
 TI - FREMGANGSMAATE FOR OMFORMING AV EN REKKE MED M-BIT  
       INFORMASJONSORD TIL ET MODULAERT SIGNAL, FREMG. FOR AA  
       PRODUSERE EN REGISTRERINGSBAERER, KODEINNRETNING,  
       DEKODEINNRETNING, REGISTRERINGSINNRETNING, LESEINNRETNING,  
       SIGNAL SAAVEL SOM EN REGISTRERINGSBAERER  
 IN - IMMINK KORNELIS ANTONIE SCHOUH [NL]  
 PA - PHILIPS ELECTRONICS NV [NL]  
 AP - NO 963388/96-A 19960814 [1996N0-0003388]  
 PR - EP 94200387/94-A 19940215 [1994EP-0200387]  
       WO 9500070/95(IB)-W 19950201 [1995WO-IB00070]  
 IC - G06K-000/00

## 22 / 32 INPADOC - INPADOC

PN - NO 963388 A 19961007 [N09603388]  
 TI - FREMGANGSMAATE FOR OMFORMING AV EN REKKE MED M-BIT  
       INFORMASJONSORD TIL ET MODULERT SIGNAL., FREMG.MAATE FOR AA  
       PRODUSERE EN REGISTRERINGSBAERER, KODEINNRETNING,  
       DEKODEINNRETNING, REGISTRERINGSINNRETNING, LESEINNRETNING,  
       SIGNAL, SAAVEL SOM EN REGISTRERINGSBAERER  
 IN - IMMINK KORNELIS ANTONIE SCHOUH [NL]  
 PA - PHILIPS ELECTRONICS NV [NL]  
 AP - NO 963388/96-A 19960814 [1996N0-0003388]  
 PR - EP 94200387/94-A 19940215 [1994EP-0200387]  
       WO 9500070/95(IB)-W 19950201 [1995WO-IB00070]  
 IC - GI IB-020/14; H03M-005/14; H03M-007/20

## 23 / 32 INPADOC - INPADOC

PN - NZ 278137 A 19970224 [NZ-278137]  
 TI - DATA CONVERSION; CONVERTING M-BIT INFORMATION TO MODULATED  
       SIGNAL AND PRODUCING RECORD CARRIER

IN - SCHOUHAMER IMMINK KORNELIS ANT  
 PA - PHILIPS ELECTRONICS NV  
 AP - NZ 278137/95-A 19950201 [1995NZ-0278137]  
 PR - EP 94200387/94-A 19940215 [1994EP-0200387]  
 IC - H03M-007/20

## 24/32 INPADOC - INPADOC

PN - PL 319407 A1 19970804 [PL-319407]  
 TI - METHOD OF CONVERTING A NUMBER OF M-BIT INFORMATION WORDS  
       INTO MODULATED SIGNAL, METHOD OF MAKING A RECORD CARRIER  
       MEDIUM, ENCODING DEVICE, DECODING DEVICE, RECORDING DEVICE,  
       READING OUT DEVICE, SIGNAL AS WELL AS RECORD CARRIER MEDIUM  
 IN - SCHOUHAMER IMMINK KORNELIS ANT [NL]  
 PA - PHILIPS ELECTRONICS NV [NL]  
 AP - PL 319407/95-A 19950201 [1995PL-0319407]  
 PR - EP 94200387/94-A 19940215 [1994EP-0200387]  
       WO 9500070/95(IB)-W 19950201 [1995W0-11300070]  
 IC - GI 1B-020/14; H03M-005/14; H03M-007/20

## 25 / 32 INPADOC - INPADOC

PN - RU 2153707 C2 20000727 [RU2153707]  
 TI - METHOD FOR CONVERTING M-BIT DATA WORD SEQUENCE INTO  
       MODULATED SIGNAL, RECORD MEDIUM MANUFACTURING PROCESS,  
       ENCODER, DECODER, RECORDER, READER, RECORD SIGNAL AND MEDIUM  
 IN - KORNELIS ANTONI SKHAUKHAMER IM [NL]  
 PA - KONINK FILIPS EHLEKTRONIKS N V [NL]  
 AP - RU 96118250/96-A 19950201 [1996RU-0118250]  
 PR - EP 94200387/94-A 19940215 [1994EP-0200387]  
 IC - GI 113-020/14; H03M-005/14; H03M-007/20; G1 [C-007/00]

## 26 / 32 INPADOC - INPADOC

PN - SI 745254 T1 19990831 [SI-745254]  
 TI - METHOD OF CONVERTING A SERIES OF M-BIT INFORMATION WORDS TO A  
       MODULATED SIGNAL, METHOD OF PRODUCING A RECORD CARRIER,  
       CODING DEVICE, DECODING DEVICE, RECORDING DEVICE, READING  
       DEVICE, SIGNAL, AS WELL AS A RECORD CARRIER  
 IN - SCHOUHAMER IMMINK KORNELIS ANT  
 PA - KONINKL PHILIPS ELECTRONICS NV [NL]  
 AP - SI 9530188/95-A 19950201 [1995SI-0030188]  
 PR - EP 95905746/95-A 19950201 [1995EP-0905746]  
       EP 94200387/94-A 19940215 [1994EP-0200387]  
       WO 9500070/95(IB)-W 19950201 [1995W0-IB00070]  
 IC - G 11 B-020/00

## 27 / 32 INPADOC - INPADOC

PN - SK 105196 A3 19980506 [SK9601051]  
 TI - METHOD OF CONVERTING AN ELECTRIC INFORMATION  
 IN - SCHOUHAMER IMMINK K A [NL]  
 PA - PHILIPS ELECTRONICS NV [NL]  
 AP - SK 1051/96-A 19950201 [1996SK-0001051]  
 PR - EP 94200387/94-A 19940215 [1994EP-0200387]

10/23/02

US 5,920,272

09/899091

WO 9500070/95(IB)-W 19950201 [1995W0-IB00070]  
IC - G11B-020/14; H03M-005/14; H03M-007/20

28 / 32 INPADOC -INPADOC  
PN - US 5696505 A 19971209 [US5696505]  
TI - METHOD OF CONVERTING A SERIES OF M-BIT INFORMATION WORDS TO A MODULATED SIGNAL, METHOD OF PRODUCING A RECORD CARRIER, CODING DEVICE, DECODING DEVICE, RECORDING DEVICE, READING DEVICE, SIGNAL, AS WELL AS RECORD CARRIER  
IN - SCHOUHAMER IMMINK KORNELIS A [NL]  
PA - PHILIPS CORP [US]  
AP - US 385533/95-A 19950208 [1995US-0385533]  
PR - EP 94200387/94-A 19940215 [1994EP-0200387]  
IC - H03M-007/00

1 / 1 LEGALI - LEGSTAT  
PN - US 5696505 [US5696505]  
AP - US 385533/95 19950208 [1995US-0385533]  
DT - US-P  
ACTE - 19950208 US/AE-A  
APPLICATION DATA (PATENT)  
US 385533/95 19950208 [1995US-0385533]  
19950324 US/AS02  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
U.S. PHILIPS CORPORATION 100 EAST 42ND STREET NEW YORK, NY 10017  
IMMINK, KORNELIS A. SCHOUHAMER :19950224  
19971209 US/A  
PATENT  
UP - 1999-19

29 / 32 INPADOC - INPADOC  
PN - US 5920272 A 19990706 [US5920272]  
TI - RECORD CARRIER CONTAINING A SIGNAL HAVING A SEQUENCE OF SUCCESSIVE INFORMATION SIGNAL PORTIONS  
IN - SCHOUHAMER IMMINK KORNELIS A [NL]  
PA - PHILIPS CORP [US]  
AP - US 900275/97-A 19970725 [1997US-0900275]  
PR - US 900275/97-A 19970725 [1997US-0900275]  
EP 94200387/94-A 19940215 [1994EP-0200387]  
US 385533/95-A1 19950208 [1995US-0385533]  
IC - H03M-007/00

1 / 1 LEGALI - LEGSTAT  
PN - US 5920272 [US5920272]  
AP - US 900275/97 19970725 [1997US-0900275]  
DT - US-P  
ACTE - 19970725 US/AE-A  
APPLICATION DATA (PATENT)  
US 900275/97 19970725 [1997US-0900275]  
19990706 US/A  
PATENT

UP - 1999-32

30 / 32 INPADOC- INPADOC

PN - WO 9522802 A2 19950824 [W09522802]  
 TI - METHOD OF CONVERTING A SERIES OF M-BIT INFORMATION WORDS TO A MODULATED SIGNAL, METHOD OF PRODUCING A RECORD CARRIER, CODING DEVICE, DECODING DEVICE, RECORDING DEVICE, READING DEVICE, SIGNAL AS WELL AS A RECORD CARRIER  
 LA - ENG  
 IN - SCHOUHAMER IMMINK KORNELIS ANT  
 PA - PHILIPS ELECTRONICS NV [NL]; PHILIPS NORDEN AB [SE]  
 AP - WO 9500070/95(IB)-A 19950201 [1995W0-11300070]  
 PR - EP 94200387/94-A 19940215 [1994EP-0200387]  
 IC - G06K-000/00  
 DS - AM\* AT\* AU\* BB\* BG\* BR\* BY\* CA\* CH\* CN\* CZ\* DE\* DK\* EE\* ES\* FI\* GB\* GE\* HU\* JP\* KE\* KG\* KP\* KR\* KZ\* LK\* LR'r LT\* LU\* LV\* MD\* MG\* MN\* MW\* MX\* NL\* NO\* NZ\* PL\* PT\* RO\* RU\* SD\* SE\* SI\* SK\* TJ"TT\* LJA\* UZ\* VN\* AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

1/2 LEGALI- LEGSTAT

PN - C A 2183355 [CA2183355]  
 DT - CA-P  
 ACTE - 19960814 CA/REFW-P  
       CORRESPONDS TO PCT APPLICATION  
       <WO 9522802> [W09522802]  
 UP - 1998-31

2 / 2 LEGALI -LEGSTAT

PN - WO 9522802 [W09522802]  
 AP - WO 9500070/95(IB) 19950201 [1995W0-11300070]  
 DT - WO-P  
 ACTS - 19950201 WO/AE-A  
       APPLICATION DATA  
       WO 9500070/95(IB) 19950201 [1995W0-11300070]  
       19950824 WO/AK-A2 [+1]  
       DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITHOUT SEARCH REPORT  
       AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU JP KE KG KP KR KZLKLRLTLULVMDMGMMWMXNLNONZPLPTRORUSDSESI  
       SK TJ TT UA UZ VN  
       19950824 WO/AL-A2 [+]  
       DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITHOUT SEARCH REPORT  
       AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE  
       19950824 WO/A2 [+1]  
       PUBLICATION OF THE INTERNATIONAL APPLICATION WITHOUT THE INTERNATIONAL SEARCH REPORT  
       19950928 WO/AK-A3 [+]  
       DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH

## REPORT

AM AT AU BB BG BR BY CACH CNC Z DED KEE E S FIG B GE HU JP KE KG KP  
 KR KZ LK LR LT LU LV MD MG MN MW MX NL NO NZ PL PT RO RU SD SE SI  
 SK TJ TT UA UZ VN

19950928 WO/AL-A3 [+]

DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A  
 SUBSEQUENTLY PUBLISHED SEARCH REPORT

AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

19950928 WO/A3 [+]

SUBSEQUENT PUBLICATION OF THE INTERNATIONAL SEARCH REPORT

19951026 WO/DFPE

REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION  
 OF 19TH MONTH FROM PRIORITY DATE

19951108 WO/121

19951108 WO/121

EP: PCT APP. ART. 158 (1)

19960814 WO/ENP-AA

ENTRY INTO THE NATIONAL PHASE IN:

<CA 2183355>

UP - 1998-31

31 / 32 INPADOC - INPADOC

PN - WO 9522802 A3 19950928 [W09522802]

TI - METHOD OF CONVERTING A SERIES OF M-BIT INFORMATION WORDS TO A  
 MODULATED SIGNAL, METHOD OF PRODUCING A RECORD CARRIER,  
 CODING DEVICE, DECODING DEVICE, RECORDING DEVICE, READING  
 DEVICE, SIGNAL, AS WELL AS A RECORD CARRIER

LA - ENG

IN - SCHOUHAMER IMMINK KORNELIS ANT

PA - PHILIPS ELECTRONICS NV [NL]; PHILIPS NORDEN AB [NL]

AP - WO 113 9500070/95(IB)-A 19950201 [1995W0-113000701]

PR - EP 94200387/94-A 19940215 [1994EP-0200387]

IC - G06K-000/00

DS - AM\* AT\* AU\* BB\* BG\* BR\* BY\* CA\* CH\* CN\* CZ\* DE\* DK\* EE\* ES\* FI\* GB\*  
 GE\* HU\* JP\* KE\* KG\* KP\* KR\* KZ\* LK\* LR\* LT\* LU\* LV\* MD\* MG\* MN\*  
 MW\* MX\* NL\* NO\* NZ\* PL\* PT\* RO\* RU\* SD\* SE\* SI\* SK\* TJ\* TT\* UA\* UZ\*  
 VN\* AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

1 / 2 LEGALI - LEGSTAT

PN - CA 2183355 [CA2183355]

DT - CA-P

ACTE - 19960814 CA/REFW-P  
 CORRESPONDS TO PCT APPLICATION  
 <WO 9522802> [W09522802]

UP - 1998-31

2 / 2 LEGALI - LEGSTAT

PN - WO 9522802 [W09522802]

10/23/02

US 5,920,272

09/899091

AP - WO 9500070/95(IB) 19950201 [1995W0-11300070]  
DT - WO-P  
ACTE - 19950201 WO/AE-A  
APPLICATION DATA  
WO 9500070/95(IB) 19950201 [1995W0-11300070]  
19950824 WO/AK-A2 [+1]  
DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITHOUT  
SEARCH REPORT  
AM AT AU BB BGGRBYCACHCNCZDEDKEEESFIGBGEHJPKEKGKP  
KR KZ LK LR LT LU LV MD MG MN MW MX NL NO NZ PL PT RO RU SD SE ST  
SK TJTTUAUZVN  
19950824 WO/AL-A2 [+~]  
DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED  
APPLICATION WITHOUT SEARCH REPORT  
AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE  
19950824 WO/A2 [+]  
PUBLICATION OF THE INTERNATIONAL APPLICATION WITHOUT THE  
INTERNATIONAL SEARCH REPORT  
19950928 WO/AK-A3 [+]  
DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH  
REPORT  
AM AT AU BB BGGRBYCACHCNCZDEDKEEESFIGBGEHJPKEKGKP  
KR KZ LK LR LT LU LV MD MG MN MW MX NI, NO NZ PL PT RO RU SD SE SI  
SK TJ TT UA UZ VN  
19950928 WO/AL-A3 [+1]  
DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A  
SUBSEQUENTLY PUBLISHED SEARCH REPORT  
AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE  
19950928 WO/A3 [+]  
SUBSEQUENT PUBLICATION OF THE INTERNATIONAL SEARCH REPORT  
19951026 WO/DFPE  
REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION  
OF 19TH MONTH FROM PRIORITY DATE  
19951108 WO/121  
EP: PCT APP. ART. 158 (1)  
19960814 WO/ENP-AA  
ENTRY INTO THE NATIONAL PHASE IN:  
<CA 2183355>

UP - 1998-31

32 / 32 INPADOC - INPADOC

PN - ZA 9501115 A 19960812 [ZA9501115]  
TI - METHOD OF CONVERTING A SERIES OF M-BIT INFORMATION WORDS TO A  
MODULATED SIGNAL METHOD OF PRODUCING A RECORD CARRIER  
CODING DEVICE DECODING DEVICE RECORDING DEVICE READING DEVICE  
SIGNAL AS WELL AS A RECORD CARRIER  
IN - IMMINK KORNELIS ANTONIE SCHOUH  
PA - PHILIPS ELECTRONICS NV  
AP - ZA 1115/95-A 19950210 [1995ZA-00011151]  
PR - EP 94200387/94-A 19940215 [1994EP-0200387]

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